Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/07/2015 10:11 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124470	-1	1.55	124283	1.51
Blue	F	SSC	125000	124342	-1	2.60	125144	2.28
Blue	E	FITC	17998	17371	-4	2.24	979	7.96
Blue	D	PE	23234	22591	-3	1.87	1019	7.13
Blue	B	PerCP-Cy5-5	69571	67946	-3	2.45	1788	11.49
Blue	A	PE-Cy7	77815	76680	-2	3.48	1014	21.48
Red	C	APC	65936	65750	-1	2.57	3706	7.97
Red	A	APC-Cy7	100669	100762	0	2.66	1988	7.51
Violet	B	V450	10405	9970	-5	3.73	619	7.88
Violet	A	V500	47250	46481	-2	3.50	2620	5.67

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19804	4.95	577	-2	N/A	N/A	Pass
Blue	F	SSC	62191	1.62	495	6	N/A	N/A	Pass
Blue	E	FITC	107	31.30	513	-2	0.0314	27	Pass
Blue	D	PE	212	21.66	505	-2	0.2154	114	Pass
Blue	B	PerCP-Cy5-5	217	35.03	587	-3	0.0145	0	Pass
Blue	A	PE-Cy7	78	85.36	643	-3	0.0201	15	Pass
Red	C	APC	344	25.10	579	1	0.0220	0	Pass
Red	A	APC-Cy7	125	36.41	560	1	0.0055	880	Pass
Violet	B	V450	65	41.37	453	3	0.0541	2116	Pass
Violet	A	V500	172	20.43	493	5	0.0173	254	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.98	-31.71	0.77
Blue	20.48	16.35 - 24.53	1.27	1.00 - 1.50	0.00	0.00	1.19
Red	17.31	13.07 - 19.61	N/A	N/A	32.29	32.51	1.10

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 11658

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments